

Title (en)  
OPTICAL READING DEVICE AND OPTICAL RECORDING DEVICE

Publication  
**EP 0550097 A3 19930825 (EN)**

Application  
**EP 92203975 A 19921217**

Priority  
NL 9102190 A 19911230

Abstract (en)  
[origin: EP0550097A2] An optical reading device for reading information recorded on a track (2) of an optical record carrier (1) is disclosed. A radiation source (10) generates a radiation beam (11) which is directed onto a radiation-sensitive detector (12) via the track (2). The radiation beam then produces a scanning spot (15) on the record carrier. The scanning spot (15) is displaced at a given scanning rate in the longitudinal direction of the track. A signal-regaining circuit (17) regains the recorded information on the basis of a detection signal (V1) supplied by the radiation-sensitive detector (12). A load circuit (18) loads the regained information into a output buffer memory (19) at a given load rate. A signal retrieval circuit (20) retrieves the information loaded into the output buffer memory (19) at a retrieval rate which is lower than the load rate. The storage of the regained information in the buffer memory is interrupted as soon as the filling level of the output buffer memory (19) has reached a given maximum filling level. As soon as the filling level approaches a given minimum value during the interruption, the scanning spot is displaced back to the track portion where the loading operation was interrupted. The storage of the regained signal is resumed at an instant when the scanning spot reaches a track position which corresponds to the position at which the loading of the buffer memory was interrupted. The radiation source (10) is switched off during time intervals in which the storage of regained information is interrupted. <IMAGE>

IPC 1-7  
**G11B 20/10**; **G11B 27/00**; **G11B 7/09**

IPC 8 full level  
**G11B 7/00** (2006.01); **G11B 7/004** (2006.01); **G11B 7/0045** (2006.01); **G11B 7/005** (2006.01); **G11B 7/125** (2006.01); **G11B 19/00** (2006.01); **G11B 20/10** (2006.01); **G11B 27/00** (2006.01)

CPC (source: EP KR US)  
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Citation (search report)  
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